

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Dwayne Lee Looney et al.

Serial No. :

Art Unit:

Filed : November 25, 2003

Examiner:

For : HEMOSTATIC WOUND DRESSING CONTAINING PROTEINAOUS  
POLYMERS

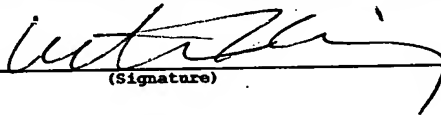
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William K. Wissing

(Name of applicant, assignee, or Registered Representative)



(Signature)

November 25, 2003

(Date of Signature)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Pursuant to 37 C.F.R. §1.56 and in accordance with 37  
C.F.R. §§1.97-1.98, information relating to the above-identified  
application is hereby disclosed. Inclusion of information in  
this statement is not to be construed as an admission that this  
information is material as that term is defined in 37 C.F.R.  
§1.56(b).

Applicant(s) reserve(s) the right to establish the  
patentability of the claimed invention over any of the  
information provided herewith, and/or to prove that this  
information may not be prior art, and/or to prove that this

information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist.

☒ In accordance with §1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified national application (other than a continued prosecution application under §1.53(d)), within three months of the date of entry into the national stage of the above identified application as set forth in §1.491, or before the mailing date of a first Office Action on the merits of the above-identified application, or before the mailing date of a first Office Action after the filing of a request for continued examination under §1.114, no additional fee is required.

☐ In accordance with §1.129(a), this Information Disclosure Statement is being filed in connection with ☐ the first or ☐ second After Final Submission, therefore:

☐ Statement in Accordance with §1.97(e) (attached);  
or

☐ Please charge Deposit Account No. 10-  
0750/ / the fee of \$180.00 as set forth in  
§1.17(p).

☐ In accordance with §1.97(c), this Information Disclosure Statement is being filed after the period set forth in §1.97(b) above but before the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311, or an action that otherwise closes prosecution and that it is accompanied by one of:

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or  
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☒ Copies of each of the references listed on the attached Form PTO-1449 are enclosed herewith.

☐ Copies of references listed on the attached Form PTO-1449 are enclosed herewith EXCEPT THAT:

☐ In view of the voluminous nature of references [list as appropriate], and the likelihood that these references are available to the Examiner, copies are not enclosed herewith.

☐ If any of the foregoing publications are not available to the Examiner, Applicant will endeavor to supply copies at the Examiner's request.

☐ Copies of only foreign patent documents and non-patent literature are enclosed in accordance with 37 CFR 1.98 (a)(2). (The U.S. patents and each U.S. patent application publication listed on the attached Form PTO-1449 are not enclosed because

this U.S. patent application was filed after June 30, 2003 or this international application has entered the national stage under 35 USC §371 after June 30, 2003 (see USPTO waiver of requirement under 37 CFR 1.98 (a)(2)(i)).

☒ There are no listed references which are not in the English language.

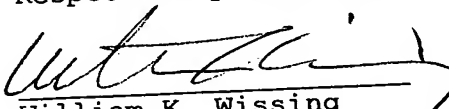
☐ The relevance of those listed references which are not in the English language is as follows:

☐ Attached are copies of search report(s) from corresponding patent application(s), which are listed on the attached Submission Under MPEP 609 D.

☐ Attached are the following non-published pending patent applications which may be deemed relevant, which are listed on the attached Submission Under MPEP 609 D.

Please charge any deficiency or credit any overpayment to Deposit Account No. 10-0750/ETH-5112/WKW. This form is submitted in triplicate.

Respectfully submitted,

  
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Attorney for Applicants

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DATED: November 25, 2003

<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary) <b>Sheet 1 of 3</b>	<b>Application Number</b>	10/
	<b>Filing Date</b>	
	<b>First Named Inventor</b>	D. L. Looney, et al.
	<b>Group Art Unit</b>	
	<b>Examiner Name</b>	
	<b>Attorney Docket Number</b>	ETH505112

## U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
		Number	Kind Code <sup>2</sup> (if known)			
		2,517,772		Leonard Doub, et al.	08-08-1950	
		2,773,000		Joseph N. Masci, et al.	12-04-1956	
		3,364,200		William H. Aston, et al.	01-16-1968	
		4,289,824		Frederick R. Smith	09-15-1981	
		4,626,253		Cecil H. Broadnax, Jr.	12-02-1986	
		4,752,466		Lowell Saferstein, et. al	06-21-1988	
		5,134,229		Lowell Saferstein, et. al	07-28-1992	
		5,180,398		Franklin Boardman et. al	01-19-1993	
		5,643,596		Thaddeus P. Pruss, et. al	07-01-1997	
		5,645,849		Thaddeus P. Pruss, et. al	07-08-1997	
		5,821,343		James R. Keogh	10-13-1998	
		5,866,165		Lin Shu Liu, et. al	02-02-1999	
		5,914,118		Keiko Yamamura, et al.	06-22-1999	

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	KindCode <sup>5</sup>				
		JP	60087225	A	Japan	05-16-1985		
		IN	159332		India	05-02-1987		
		EP	0468114	A2	EP	01-29-1992		
		WO	96/40033	A1	PCT	12-19-1996		
		WO	99/01166	A1	PCT	01-14-1999		
		RU	2146264	C1		03-10-2000		
		WO	01/23653	A1	PCT	04-05-2001		
Examiner Signature						Date Considered		

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<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 2 of 3

Application Number	10/
Filing Date	
First Named Inventor	Looney, et al.
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**U.S. PATENT DOCUMENTS**

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		Number	Kind Code <sup>2</sup> (if known)			
		5,925,552		James R. Keogh, et. al	07-20-1999	
		5,945,319		James R. Keogh	08-31-1999	
		6,017,741		James R. Keogh	01-25-2000	
		6,214,808	B1	Gilbu Soe, et al.	04-10-2001	
		6,261,679	B1	Fung-jou Chen, et al.	07-17-2001	
		6,306,424	B1	Murty N. Vyakarnam, et al.	10-23-2001	
		6,333,029	B1	Murty N. Vyakarnam, et al.	12-25-2001	
		6,365,149	B2	Murty N. Vyakarnam, et al.	04-02-2002	
		2001/0025154	A1	Mirna Rapp	09-27-2001	
		2002/0120348	A1	Melican, et al.	08-29-2002	
		2003/0073663	A1	David M. Wiseman, et al.	04-17-2003	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	KindCode <sup>5</sup>				
		EP	1172115	A1	EP	01-16-2002		
		WO	02/22059	A1	PCT	03-21-2002		
		WO	02/058750	A2	PCT	08-01-2002		
Examiner Signature					Date Considered			

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<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 3 of 3

Application Number	10/
Filing Date	
First Named Inventor	Looney, et al.
Group Art Unit	
Examiner Name	
Attorney Docket Number	ETH-5112

## **OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Examiner's Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITOL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		ERNEST L. JACKSON, et al., J. Am. Chem. Soc. (1937), 59, 2049-2050	
		G. F. DAVIDSON, The Journal of the Textile Institute Transactions (1940), 81-96	
		VIRGINIA K. FRANTZ, et al., J. Am. Med. Assoc., (1945), 129, 798-801	
		VIRGINIA K. FRANTZ, The Bulletin, (1946), 22, 102-110	
		O.N. LUCAS, Journal of Oral Therapeutics and Pharmacology, Vol. 3, No. 4, (1967), 262-268	
		M. SINGH, Journal of Biomedical Materials Research, Vol. 15, (1981), 655-661	
		HELENE MATRAS, J. Oral Maxillofac Surg, Vol. 43, (8), (1985), 605-611	
		T. JAI MANGAL SINHA, et al. Biomater., Med. Devices, Artif. Organs (1985), 12(3-4), 273-87	
		ARTHUR G. ARAND, et. al. Neurosurgery Vol. 18, No. 2, (1986), 223-233	
		REGINALD L. STILWELL, et al. Handbook of Biodegradable Polymers (1997), 291-306	
		J. VINCENT EDWARDS, et al. Wound Rep. Reg. 9, (2001), 50-58	
		HERCULES Aqualon® Sodium Carboxymethylcellulose Product Specifications Number 4116-4, 1997	
		HERCULES Aqualon® Sodium Carboxymethylcellulose Physical and Chemical Properties, 1995	
Examiner Signature		Date Considered	

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